

WA/HMM/CM 18a1/21/259

Dut

Telephone No. 1824 Gerrard.

Sale No. 13,058.

Sale to commence at Half-past Twelve.

WEDNESDAY, JUNE 4th, 1919.

A CATALOGUE

OF

Natural History Specimens

INCLUDING

BRITISH EXOTIC LEPIDOPTERA,

BOOKS AND PERIODICALS,

SHELLS AND MINERALS,

BIRDS' EGGS IN WELL-MADE CABINETS,

BIRDS IN CASES,

HEADS, HORNS & SKINS OF ANIMALS,

and a variety of Cabinets for all purposes.

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ON WEDNESDAY, JUNE 4th, 1919, at 12.30.

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Conditions of Sale are as usual; a copy is exhibited in
the Sale Room at the time of sale.

A CATALOGUE

WEDNESDAY, JUNE 4th, 1919,

At 12.30 o'clock.

BRITISH LEPIDOPTERA.

LOT

- 1 Machaon 5, Crataegi 7, Sinapis 11, and others
in three drawers
- 2 Iris 6, Antiopa 4, C-album 8, Lathonia 4,
Cinxia 13, Artemis 13, ditto
- 3 *C. dispar* female
- 4 *Ditto* male
- 5 Pruni 12, Lucina 16, W-album 13, Arion 7,
Acis 7, Actaeon 16, Paniscus 6 and others in
two drawers
- 6 Atropos 4, Convolvuli 5, Ligustri 6, Ocellatus 8,
Minos 9, ditto
- 7 Galii 4, Livornica 3, *one Plympton, Aug. 15th,*
1870; Pinastri 5, Porcellus 9, Testudo 7,
ditto
- 8 Fagi 1, Trepida 4, Reclusa 5, *Coenosa* 5, Bicolor
2, Pulchella 2, Illicifolia 1, Coryli 4, and others
in three drawers
- 9 *A pedestal pattern cabinet of fifteen drawers in*
pine, size of drawers 18 ins. by 11 by 2½,
enclosed by door
- 10 British Bombyces, Noctuae, and Geometrae,
named and arranged in fifteen drawers, in-
cluding Versicolor 8, Strigosa 3, Connexa 5,
Subrosea 3, Rubiginea 3, Erythrocephala 2,
Oo 5, Pyralina 3, Lichenea 6, Atriplicis 4,
Empyrea 4, Semibrunnea 4, Dysodea 5,
Fuliginaria 1, and many others

- 11 Cabinet of fifteen drawers, similar to lot 9
- 12 Mahogany cabinet of 20 glazed drawers (pine),
each 18 ins. by 18 by 2
- 13 *Seven mahogany drawers, size 17 ins. by 14, by
2-2½ ins., with framed glass covers*
- 14 Large store box, 17 ins. by 12 by 3, containing
some hundreds of bees, flies and beetles,
nearly all with data labels, from N. Cornwall
and West Wickham
- 15 Various Pyrales and Micros: contents of
drawer, *P. chrysitis* 15, *Moneta* 7, *P. leuco-*
phaea 8, *Anomala* 12, *Bankeiella* 15, and
others, contents of drawer 170
- 16 *Anomala* 17 (3 ♀), *Brevilinea* 10, *Munda* and
others, contents of drawer 169
- 17 *Dralbata* 8, *Concolor* 2, *Brevilinea* 2, *Lucerne*
9, *Phragmitidis* 10, *Leucophaea* 3, *Anomala* 4,
(2 ♀'s), and others, contents of drawer 162
- 18 *Lucerne* 15, *Brevilinea* 9, *E. jasionata* 19,
Chrysitis 11, and others, contents of drawer
187
- 19 *Ditrapezium* 19, *Dahlia* 13, *Chrysitis* 13, *Con-*
color 2, *Gilvago* 5, *Glareosa* 5, and others,
contents of drawer 156
- 20 *S. myopaeformis* 16, *A. rusticata* 29, *Io* 16,
A. holosericata 9, *A. rubricata* 5, and others,
contents of drawers 150
- 21 *Pistacina*, vars. *Ophiograsma*, *Leucostigma*,
and others, contents of drawer 174
- 22 *Juniperata* 12, *Anomala* 6 (1 ♀), *Moneta* 22,
Chrysitis 15, *Jasionata* 11, *Rectangulata*
and others, contents of drawer 234
- 23 *Neglecta* 10, *M. rubiginata* 20, *Testata*, *Mellon-*
ella and others, contents of drawer 195
- 24 A 10-drawer cabinet by Watkins & Doncaster,
stained and polished deal, outside dimensions
of drawers 16½ ins. by 10¼ by 2, glazed frames
and camphor cells
- 25 *Crataegi* 3 (bred Monmouth 1869), and *Dupli-*
dice 1 (taken near Brighton, 1875)
- 26 *Edusa* dwarf ♀, and *Helice* 2
- 27 *Edusa*, *pale lemon yellow var.* (Kent, 1892)

- 28 C. DISPAR ♂, fine and perfect
- 29 DITTO (Dr. Knaggs)
- 30 DITTO
- 31 DITTO ♀ (Rev. J. Greene)
- 32 DITTO
- 33 DITTO
- 34 *Acis* 3 (S. Wales, A. E. Hudd, etc.), and *Lathonia* 1 (taken near Norwich by Rev. Marsh)
- 35 *Lathonia* (one Kent, Aug. 1873, and underside Colchester, 15th Aug., 1868)
- 36 *Cidaria reticulata* (Windermere, July 1908, F. C. Norgate) 4
- 37 Ditto ditto 4
- 38 Ditto ditto 5
- 39 *Acidalia rubricata* 250, and others with store box
- 39A Collection of British Lepidoptera including *Dispar* 2, *Vanessa*, *Antiopa*, etc., in excellent mahogany cabinet of 40 drawers
- 40 Caja, fine dark var. (bred, Darlington, 1918)
- 41 Ditto, two very light and three dark specimens (ditto)
- 42 Pale var. of Grayling Butterfly, pair of mazarine blue, and others
- 43 Long series of *Icarus* from E. Coast, and *Hyperanthus* *Antiopa* 2, *Crataegi* 3, *Iris* 2, store box and contents
- 44 Duplicate British geometridae, store box and contents
- 45 European Futillarie, long series of *Cinxia*, *Didyma*, *Phoebe*, *Adippe*, *Selene*, *Euphrosyne*, *Attalia*, etc., store box and contents
- 46 Exotic and palaearctic butterflies, including *Parmarsidae*, store box and contents
- 47 British *Bombyces* and *Noctuidae*, store box and contents
- 48 Full size store box
- 49 Full size store box with a few British *Noctuidae*
- 50 *Machaon* 6, *Podalirius* 2, *Mnemosyne* 19, *Apollo*, fine vars 27; *Crataegi* 6, *Rapae* 24, in large mahogany store box
- 50A British Butterflies and Moths, with store box—*Machaon*, *Pruni*, *Anomala*, *Miata* and others
- 51A Mahogany 12-drawer cabinet, containing a fine collection of British butterflies and moths

ABRAXAS GROSSULARIATA VARIETIES.

Bred by Mr. B. S. Harwood, all of Lancashire and Essex stock.

51	Lacticolor, 3 typical specimens	3
52	Ditto, 2 large ♀'s, one with shoulder knot	2
53	Ditto, a large ♀ with wide pale central area	1
54	Ditto, a luteus ♂, and a very curious ♀ var.	2
55	Nigricostata, a yellow radiated ♂	1
56	Gloriosa, a male, deep yellow and much radiated	1
57	Ditto, white ground colour, central area extensively blackened	1
58	Ditto, a magnificent ♀, much blackened and all wings deep yellow	1
59	Nigricostata, a yellow ♀ approaching gloriosa	1
60	Ditto, a large white ♀ with broad yellow band	1
61	Lacticolor ab radiata ♂	1
62	Ditto ditto	1
63	Ditto ab nigricostata-radiata, male	1
64	Iochalca, a large male	1
65	Ditto ditto	1
66	Ditto ditto	1
67	Gloriosa, an asymmetrical ♀, left f.w. with basal $\frac{3}{4}$ of costa heavily blackened, and all wings intensely yellow	1
68	Lacticolor ab Lutea-nigrosparsata, female, all wings softly dusted with black scales, a new var.	1
69	Nigricostata-lutea, a boldly marked ♀	1
70	Chalcozona-centralipuncta with yellow-lined hind-wings	1
71	Centralipuncta luteus, ground colour and yellow-lined hind-wings	1
72	Gloriosa, a male rather small but central area much blackened	1
73	Ditto, a luteus ♂, central area much blackened	1
74	Lacticolor, a bright yellow ♀	1
75	Nigricostata ab radiata, male	1
76	Ditto ditto, female	1
77	Ditto, a yellow male	1
78	Chalcozona-nigricostata, female	1
79	Lacticolor, a heavily marked leaden-white ♀	1

- 80 Nigricostata, a heavily marked bright yellow ♀
I
- 81 Chalcozona, male, *yellow-brown fore-wings with band of sepia*
I
- 82 Lacticolor female, asymmetrical right f.w. darkened, left h.w. intensely yellow, right h.w. for the most part white
I
- 83 Nigricostata, a large white ♀
I
- 84 Lutea, 2 males, 1 female
3
- 85 Ditto, 1 male, 2 females
3
- 86 Ditto, male and female
2
- 87 NIGROSPARSATA-LUTEA ♂, *outer area of f.w. and whole of h.w. entirely obscured by black scales*
I
- 88 Lacticolor, male and female
2
- 89 Fulvpicata, a yellow radiated ♂ with dark costa and a male Lutea
2
- 90 Lacticolor, a yellow ♂ approaching Gloriosa
I
- 91 Ocellatus-Populi Hybrid, rich brown form (bred, S. Whicher, 1915)
I
- 92 Ditto ditto, greyish form (bred S.W., 1916)
I
- 93 Ditto ditto, another fine specimen (bred S.W., 1916)
I
- 94 Ditto ditto, *female form* (bred, S.W., 1915)
I
- 94A CENTRALIPUNCTA ♀
I

EXOTIC INSECTS.

- 95 *O. Lydius*, a fine pair from Halmaheira
I
- 96 *O. primus arruana*, a pair
I
- 97 *M. nestira* 1 female, *P. zagreus* 1, and others
I
- 98 1,000 butterflies from British East Africa, in papers, each with locality and date, Danaidse, Satyridse, Acrseidse, Nymphalidse, Lycx-nidse, Pieridse, Papilionidse and Hesperidse
I
- 99 Mahogany cabinet containing collection of Exotic Lepidoptera
I
- 101 Ornithoptera hecuba 1, Caligo eurylochus 1, Urania ripheus 1, Kallima, Charaxes and others
19
- 102 Brahmaea conchifera 1, Papilio blumei 1, *O. brookeana*, Urania ripheus 1, Teinopalpus and others
17

- 103 *Siderone* ide 1, *Morpho menelaus* 1, *Attacus edwardsi* 1, *Phyllium scythe* 3, *Phyllium* sp. (Fiji) 6, and others 22
- 104 *Small eight-drawer insect cabinet*, glazed covers and glass panelled door
- 105 *Mantichora*, *Cicindela*, *Mormolyce*, *Procerus*, *Carabus* and other coleoptera in drawer 53
- 106 *Neolamprima*, *Phalacrognathus muelleri* 1, *Chaisognathus*, *Odontolabis*, and other Lucanidae 39
- 107 *Mecynorrhina*, *Megalorrhina*, *Dicranorrhina*, *Dicranocephalus*, *Theodosia* and other Cetoniidae 38
- 108 *Goliathus regius* 4, *cacicus* 4 8
- 109 *Compscephalus*, *Eudicella*, *Rhomborrhina* (*flammea* 4), *Heterorrhina*, *Aphelorrhina* and other Cetoniidae 67
- 110 *Euchirus longimanus* pair, *macleayi* pair, *Lycomedes*, *Enema*, *Oryctes*, *Propomacrus* and others 34
- 111 *Megasoma elephas* 2, *Dynastes hercules* pair, *Chalcosoma atlas* 1 8
- 112 *Petrognatha*, *Acrocinus*, *Batocera*, and other Longicornes 35
- 113 *Macrodonia*, *Psilidognathus*, *Sternotomis*, and other Longicornes 44
- 114 Hymenoptera, Diptera, Neuroptera, including *Pepsis*, *Xylocopa*, *Achias*, *Megaloprepus*, *Mutilla* and others 43
- 115 Cicadas, etc., large conspicuous species 29
- 116 Phasmas, curious forms, including *Symphycranium goliath* 2 7
- 117 Ditto, *Ectatosoma*, *Symphycranium*, etc. 5
- 118 Ditto, giant forms 7
- 119 Mantis, *Blatta*, *Forficula* :—*Gongolodes*, *Batrachotettix*, etc. 27
- 120 Scorpions, Spiders, Centipedes :—*Galeodes*, *Phrynus*, etc. 23
- 121 *Tropodacnis latreillei* 1, *Locusta*, *Phasma*, etc. 6
- 123 *Fulgora lantanaria* 3, *Hotinus*, *Flata* and other showy Homoptera 23
- 124 *A well-made solid mahogany insect cabinet of eighteen drawers, size of drawers 18 ins. by 16 by 2¼ (two of 3-in. depth), enclosed by pillars*

125	Hebomoia, Chlorippe, Timetes, Eunica and others in mounts	20
126	Heliconius, Junonia, Pararge, Tithorea ditto	20
127	Megalura, Precis, Agraulis, Cethosia, ditto	20
128	Papilio, Vanessa, Cyrestis, Callidryas, ditto	20
129	Terinos, Araschnia, Limenitis, Paphia, Adelpha ditto	20
130	Delias, Callicore, Apatura, Kallima, Platy-samia, ditto	18
131	Small oak cabinet of eleven drawers	

132	Butterflies in papers: British Guiana	50,
	Peru	70
133	Moths in papers from Para	100
134	Morpho cypris, fine	
135	Ditto	
136	Ditto	
137	Ditto	
138	Exotic Lepidoptera in papers, including Papilios	200
139	Ditto	
140	Ditto	
141	Ditto	
142	Ditto	
143	British Moths and Butterflies, in papers	200
144	Ditto	200
145	Butterflies from Sikkim district, in 2 boxes	100
146	Showy Exotics in 2 boxes	100
147	Three fine Morpho menelaus	3
148	Ditto	3
149	Four Morphos	4
150	Showy butterflies in 2 cartons	60
151A	Three boxes specimens in papers from Peru, etc.	400
152A	Birds' eggs in 2 boxes	50

EXOTIC LEPIDOPTERA.

including many with one side denuded to show neurulation.

151	Symphaedra, Parthenos, Apatura, Apaturina, Euthalia, Dodona, and others in two drawers
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- 152 Anartia, Eunica, Epicalia, Callithea *leprieuri* pair, Ageronia, and others in drawer
- 153 Euphaedra, Timetes, Cyrestis, Neptis, Athyma, Limenitis and others, two drawers
- 154 Salamis, Kallima, Gynaecia, Amnosia, *Hypolimnas*, Mynes, ditto
- 155 Vanessa, Precis, Cynthia, Cethosia, *Terinos*, Colaenis, *Argynnis*, and others, in three drawers
- 156 Actinote, Acraea, Tithorea, Melinaea, *Heliconius*, Ituna, Lycorea, Stictoplaea, ditto
- 157 Euploea, Salpinx, Danisepa, Calliploea, and others in two drawers
- 158 Euploea, Patosa, Caduga, Danais, Limnas, Anosia, ditto
- 159 Radema, Amauris, Nasuma, Hestia, Nectaria, Idaeopsis, ditto
- 160 *Charaxes smaragdalis* pair, brutus 2, pollux 2, ussheri 1, decius 1, and others in drawer
- 161 *Hesperidae*—Pyrrhopyga, Phocides, Thymele, Telegonus, Orthophoetus, etc., 80 named species in two drawers
- 162 *Lycaenidae*—Arhopala, Amblypodia, Deudorix, Myrina, Curetis, Spindasis, Ilerda, etc., 65 species ditto
- 163 *Hesperidae*, *Lemonidae*, etc., Kerana, Ismene, Rhopalocampta, Helicopis, etc., 45 species ditto
- 164 *Elymnias*, Pronophila, Bia, Corades, Calinaga, and others in two drawers
- 165 Auloxera, Oxeochistus, Lasiophila, Neorina, Tisiphone, Melanargia, ditto
- 166 *Hetaera*, Pierella, Pararge, Lethe, and others in drawer
- 167 *Papilio joesa* 2, *palinurus* 1, *blumei* 1, *zalmoxis* 2, etc., in drawer
- 168 *Morpho melacheilus* 1, neoptolemus 1, papirius 1, achillides 2, cisseis 1, and others in drawer 8
- 169 *Morpho epistrophis* 1, sulkowskyi pair, *cypris* 2, aega 1, ditto 10
- 170 *Stichophthalma*, Clerome, Zeuxidia, *Amathuxidia*, Discophora, Tenaris, Thaumantis and others in two drawers

- 171 Timetes, Cyrestis, *Prepona*, *Anea*, Aganisthos, *Siderone*, Prothoe, Lexias, and others in three drawers
- 172 Hesperidae—Butleria, Cyclopides, Phemiades, Notocrypta, Udaspes, 48 species in drawer
- 173 *Papilio priapus* 1, *mencius* 1, *erebus* pair, *antenor* 3, *lama* 1, and others in drawer
- 174 *P. merope* 1, *ascolius* 1, *cleotas* 1, *phorcas* 1, and others in two drawers
- 175 *P. gyas* pair, *pageni* 1, *codrus* v. *medon* 1, *tynderaeus* 1, *delesserti* 1, *agestor* 1, *telearchus* 2, ditto
- 176 *Parnassius*, *Doritis*, *Thais*, *Leudorfia japonica* 4, and others in drawer
- 177 *Armandia lidderdali* 1, *thaitina* 1, *Teinopalpus imperialis* 4, *Papilio pausanias* 1, *erithalion* 2, ditto
- 178 *Ornithoptera brookeana* pair, *hephaestus* pair, *amphrysus* pair, ditto
- 179 *O. croesus* 1, *victoriae* 1, *aruana* 1, *Papilio hector* 2, *memnon* 4, *polymnestor* 1, and others in two drawers
- 180 *Caligo ilioneus* 2, *beltrao* 1, *Brassolis*, *Opsiophanes* 2, and others in drawer
- 181 *Dercas*, *Terias*, *Rhodocera*, *Catopsilia*, *Callidryas*, *Phoebis*, and others in two drawers
- 182 *Colibris*, *Gonepteryx*, *Meganostoma*, in drawer
- 183 *Nepheronia*, *Eronia*, *Tachyris*, *Huphina* and others in two drawers
- 184 *Euchlae*, *Ixias*, *Teracolus* (*Zoe* 1), *Pieris*, *Prioneris*, ditto
- 185 *Metaporia*, *Belenois*, *Delias*, *Mylothris*, *Leodonta*, ditto
- 186 A polished pine insect cabinet of 60 drawers in three tiers enclosed by glass panelled mahogany doors to lift out, size of drawers 17 ins. by 15 by 2½
- 187 Three empty store boxes
- 188 Storebox of *Heterocera*, and three empty cartons, labels, etc.

The following 38 lots are almost all in the most superb condition and contain some rarities, seldom, if ever, offered. The specimens are not cemented to the pins.

- 189 MORPHO HECUBA (verus), a perfect and superb male of this rarity from Guiana
- 190 DITTO, an exceedingly fine FEMALE
- 191 *M. Rhetenor*, a perfect and superb male from Guiana
- 192 *Ditto*, another equally fine
- 193 *M. Adonis* (verus), a perfect and superb male from Guiana
- 194 *Ditto*, another equally fine
- 195 *M. Menelaus*, a perfect and superb female from Guiana
- 196 *Ditto*, another equally fine
- 197 P. COELUS, a perfect and superb pair of this great rarity from Guiana
- 198 *P. Triopas*, a perfect pair from Guiana
- 199 AGRIAS CLAUDIA, a very fine male of this rarity from Guiana
- 200 DITTO, a very fine female
- 201 AGRIAS AMAZONICA, a very fine male of this great rarity from Guiana
- 202 DITTO, a very fine female
- 203 *P. Xynias*, a perfect and superb male from C. Peru
- 204 *M. Amphitryon*, a perfect and superb male of this rarity from C. Peru
- 205 M. LYMPHARIS, a perfect and superb male of this rare species from C. Peru
- 206 DITTO, another equally fine
- 207 *M. Aureola*, a perfect and superb male from C. Peru
- 208 *M. Cacica*, a perfect and superb male from C. Peru
- 209 *Ditto*, another equally perfect
- 210 M. Didius, 2 perfect and superb males from C. Peru
- 211 *Agrias Lugens*, a very fine male from C. Peru
- 212 *Ditto*, another equally fine
- 213 *P. Pilumnus*, a perfect and superb male from Honduras

- 214 *P. Colombus* (Gundlachianus), a perfect and superb male from Mexico
- 215 *Ditto*, an equally perfect *female*
- 216 *M. Theseus*, a perfect and superb male from Colombia
- 217 *Ditto*, another equally good
- 218 *M. Cypris*, a perfect and superb male from Colombia
- 219 *Ditto*, another equally perfect
- 220 *M. Amathonte*, 2 perfect and superb males from Colombia
- 221A *Ditto*, an exceedingly fine *female*
- 222A *Ditto*, another *female*, equally fine
- 223A *P. Ascolius*, 2 perfect and superb males from Colombia
- 224A *P. Bachus*, a perfect and superb male of this rarity from Colombia
- 225A *Ditto*, another equally fine
- 226A *P. Birchalli*, a perfect and superb male from Colombia

CHINESE BUTTERFLIES.

- 221 Ornith. minos 2 males, 1 female, Pap. xuthus 1 and 1 ab., Pap. xuthulus 3, Pap. tamerlanus 1, Pap. mandarinus 4, and box ; Pap. cloanthus 1, Pap. menciis 10, and others with box (18)
- 222 Pap. lama 6, Pap. scaevola 2, and others in box (14) ; Pap. bianor 6, Pap. maacki 2, and others with box (12) ; Armand. thaidina 4, Ser. telamon 2, and others (11) ; Parnass. tibetanus 4, P. imperator 3, with box
- 223 Metaporia lotis 1, Metap. goutellii 4, Anth. bieti 4, and others (19) ; Anth. bieti 7, Del. nelladona 3, with others and box (22) ; Caduga tytia 2, C. melaneus 2, and others in box (12)
- 224 Neorina patria 2, Ypth. perfecta 4, M. confucius 1, Erebia rurigena 2, and others with box (25) ; Lethe baucis 4, L. titania 1, and others with box (26) ; Lethe haias 5, Zoph. helle 4, and others with box (36)

- 225 *Amecera majuscula* 1, *Neope ramosa* 4, *L. baucis* 4, *M. leda* 3, and others (29) ; *Pararge episcopalis* 5, *P. praeusta* 3, *E. rurigena* 6, and others with box (39)
- 226 *Stich. howqua suffusa* 4, *Clerome aérope* 4, *Isodema adelma* 4, and others (17) ; *Calinaga davidis* 3, *Euthalia kardama* 6, with box ; *Junonia orythia*, *J. ocyale* and other species, with box (24)
- 227 *Limnitis cottini* 3, *L. venata* 5, and species of *Neptis*, in glazed case (46) ; *Hestina assimilis* 2, *Lim. sinensium* 4, *Euth. omeia* 4, and others with glazed case (24)
- 228 *Melitaea bellona* 7, *M. agar* 6, *M. jezebel* 6, *M. yuenti* 2, *A. maculata* (2 imperfect), and others in glazed case (30) ; *M. bellona* 8, *M. agar* 5, *M. jezebel* 5, *M. yuenti* 3, *Argynnis gong* 4, and others (30) ; *Argynnis* and *Neptis*, with glazed case (22)
- 229 *Everes xuthus* 2, *Thecla pratti* 2, *Th. W-album* *Th. tsangki* 7, *Th. seraphim* 4, and others in glazed case (85)
- 230 *Chrys. li* 12 (4 females), *Ilerda marica* 8, *Phen. atroguttata* 1 ; *Dodona maculosa* 4, *Polycaena lama* 1, *Than. pelias* 2, *Cel. consanguinea* 2, *Eud. simplex* 3, *P. gemmata* 1, and others in glazed case (50)
- 231 *Ornithoptera rhadamanthus* (female) 1, *Stichoptalma howqua* 7, and others, part contents of box (15) ; *Papilio bianor* 2, *P. menci* females 2, and others with box (20) ; *Parnassius imperator* 4, *P. thibetanus* 1, *Armandia thaidina* 2, *Pap. mandarinus* 1, *P. bianor* 4, and others with box (35)
- 232 *Par. imperator* 4, *P. thibetanus* 2, *Armandia thaidina* 1, *Pap. mandarinus* 1, *P. bianor* 3, and others with box (36) ; *Pap. xuthus* 6, *Melanargia hallimede* 4, *Parage praeusta* 3, *Aph. bieti* 8, and others with box (49) ; *Calinaga davidis* 3, *Melitea bellona* 6, *M. agar* 6, *M. jezebel* 5, *M. yuenti* 2, and others with box (59)
- 233 *Calinaga davidis* 2, *Arg. sagana* 4, *A. laodice* 4, and others with box (43) ; *Melitea bellona* 6,

- M. jezebel 4, M. agar 8, Arg. gong 7, Chrysophanus 11, Dodona maculosa 5, and others with box (88) ; Pap. bianor 2, P. xuthus 3, Neope ramosa 5, Chrisoph. li 6, and others with box (42)
- 234 Stichopthalma howqua guffusa 3; Clerome aérope 5, Euthalia omeia 1, Euth. consobrina 2, Zeph. tsangkie 3, and others with box (33) ; Stich. howqua suffusa 3, Cler. aérope 5, Euth. consobrina 2, Cal. davidis 2, Chrys li 4, and others with box (30)
- 235 Papilio xuthus 4, Achalarus simplex 2, and others with box (55) ; Butterflies from W. China ; Hesperidae from India and China, and Geometridae from India (75)
- 236 Zygaenidae from Syria including punctum carniolica, etc., with box (106) ; Geometridae 58, and Butterflies from N. America 40, box and contents (98) ; Geometridae from China, &c., box and contents (89)
- 237 Pyralidae from India and Canary Isles, box and contents (182) ; Pyralidae from China and others with box (105)
-
- 238 British Lycaenidae 118, and Noctuidae 95, with store box (213) ; British Geometridae and store box (220)
- 239 British Geometridae and store box (510) ; British Butterflies and store box (176)
- 240 British Noctuidae and store box (180) ; British Geometridae and Noctuidae and store box (340)
- 241 Zygaenidae and other British Moths and store box (174), British Moths and store box (200)
- 242 British Lepidoptera and store box (200)
- 243 British Odonata and Trichoptera and store box (75) ; British Pyralidae, etc., and store box (149)
- 244 British Diptera and Hymenoptera (mostly named), and store box (150)

EXOTIC LEPIDOPTERA.

- 245 Five boxes of Butterflies from China, in papers
- 246 Four boxes of exotic Lepidoptera 163

247	Eight boxes of exotic Lepidoptera	233
248	Eight ditto	194
249	Eight ditto	266
250	Setting cabinet, with 17 slide-in setting boards	
251	Ten cartons of Sphingidae, etc.	
252	Seven cases of insects from the collection of Professor J. S. Henslow	
253	A box of microscopic objects	
254	A box of skulls, etc., of various animals	

PERIODICALS, &c.,

RELATING TO NATURAL HISTORY.

255	<i>Berlinar Ent. Zeitschrift</i> , Vols. 48-57 (1903-1912), complete, Vol. 58 (1913) 1-4	10 vols.
256	<i>Entomologisk Tidskrift</i> , Vols. 1904-1916 complete, Index 1890-1909	13 vols.
257	<i>Verhand Zool-bot. Gesellschaft in Wien</i> , Vol. 53 (1903) less Heft 10, Vols. 54-57 (1904-1907) complete, Vol. 60 (1910) 9-10, Vol. 61 (1911), Vol. 62 (1912) 1, 2	
258	<i>Broteria</i> , Vols. 2-5 (1903-1906) complete, Vols. 6 (1907) M-1, Vol. 7 (1908) complete, Vol. 8 (1909) Diptera 1, 2, Vols. 9-14 (1910-1916) complete; <i>A Broteria no Exile</i> (March and April 1913)	13 vols.
259	<i>Annals Soc. Entomologique de Belgique</i> , Vol. 47 (1903) 1-12, Vol. 49 (1905) 10-13, Vols. 50-57 (1906-1913) complete, Vol. 58 (1914) i.-vi.	8 vols.
260	<i>Mémoires Soc. Ent. Belgique</i> , X., XI. (1903), XII. Mém. Jubilaire (1906), XV.-XXI. (1908-1913)	10
261	<i>Allgemeine Zeitsch. für Entom.</i> , Vols. 8-9 (1903-1904) complete (2); <i>Scilschrift für Wissenschaftliche Juxetenbrologie</i> , Vols. 1-5 (1905-1909) complete, Vol. 6 (1910), 1-10, 12, Vol. 7 (1911) 1-12; <i>Nachdruck de Hefte</i> , 1 bis 2 Band III (1907), ditto 3 bis 4 ditto, ditto 5 bis 7 ditto	6 vols.
262	<i>Bullettino della Soc. Ent. Italiano</i> , Vols. 35-47 vols (1903-1915) complete	18 vols.
263	<i>Bollettino de Laboral-di Zoologia Generale e Agvaria</i> , Vols. 1-5 (1907-1911)	5 vols.

- 264 *Philippine Journal of Science*, Vols. I.-XII. (1906-1916). Vol. 1 out of print. Index Vols. 1-10 (1915)
- 265 *Ohio Naturalist*, Vols 5-6 (1904-1906) complete, Vol. 7 (1906-7) less No. 4, Vol. 8 (1907-8) less No. 2, Vol. 9 (1908-9) less No. 1, Vols. 10-13 (1909-1913) complete, Vol. 14, Nos. 1-5, 7, Vol. 15, Nos. 1-6, 8, Vol. 16, Vols. 1-7
- 266 *Memoirs of the Queensland Museum*, Vols. 1-5 (1912-1916) 5 vols.
- 267 *Agricultural Journal of India*, Vols. 1-10 complete, Vol. 11, 1-2 10 vols.
- 268 *Revue Russe d'Entomologie* (odd vols.) ; *Horae Soc. Ent. Rossicae* (odd vols)
- 269 Kershaw—*Butterflies of Hong Kong*
- 270 Piepers & Snellen—*Hesperidae of Java*
- 271 Leech—*Butterflies from China, Japan and Corea*, Plates Parts 1-4 only
- 272 *Revista de Museu Paulista*, Vols. I.-VII. (1895-1907)
- 273 *Il Naturalista Siciliano* (1904-1908), all but 1904 incomplete
- 274 *The Entomologist's Annual*, 20 vols. in boards (1855-1874)
- 275 *Entomologist's Monthly Magazine*, 10 vols., half leather, some backs slightly abraded (1880-1890) ; *Ditto* (1895), in parts ; *Ditto*, odd numbers 1891-1892
- 276 Seven papers on Lepidoptera, Schaus (1905-1916) ; 18 papers on Am. Lepidoptera (1904-1911)
- 277 Ten papers on Lepidoptera, Dyar (1910-1914) ; 40 papers on Lepidoptera, Smith (1887-1910)
- 278 Nine papers on Coleoptera, and 4 on Hemiptera (1902-1917) ; 34 papers on Diptera (1898-1916), 11 papers on Thysanoptera, etc. (1901-1917)
- 279 *Le Naturaliste* ; *Entomologische Rundschau* and *Insektenbörse*
- 280 Eleven *Bulletins U.S. Agric.* (1889-1910) ; 8 *Bulletins Government Lab. Manila* (1905)
- 281 *Proc. Annual Meetings Econ. Entom.* (1895-1906)

- 282 Introduction to Lamarck's *Concology* (Crouch),
illustrated; Catalogue of Hewitson's Col-
lection Lepidoptera (Kirby)
- 283 Ditto
- 284 Lloyd's *Natural History*, 16 vols. in cloth
- 284A History of British Butterflies, 1893, coloured
plates, Rev. F. O. Morris
- 285A Donovan's "Insects of India," Newman's
"British Butterflies," and Westwood, Cabinet
of Oriental Lepidoptera 3

HEADS AND HORNS OF ANIMALS, SKIN RUGS, &c.

- 285 Moose head and antlers, on carved wood shield
- 286 Head and horns of Scotch Deer
- 287 Mask and horns of Cape Buffalo
- 288 Ditto Kudu
- 289 Pair of Sambar horns and pair of Gemsbok, on
shields
- 290 Two pairs of Sambar horns
- 291 Two pairs of Waterbuck horns
- 292 Ditto
- 293 Three pairs of horns, various
- 294 Pair of Reindeer horns on shields
- 295 Ovis poli, a good specimen head, on shield
- 296 Head and horns of Sambar
- 297 Mask and skin of Panther, mounted as rug
- 298 Three Deer skins mounted on red cloth
- 299 Ditto
- 300 Antelope skin, and a Buck skin
- 301 Two Bear skins, one mounted as a rug
- 302 One Bear skin with mask, mounted as rug
- 303 Ditto
- 304 Ditto
- 305 Bear's head, mounted
- 306 Bear's skull and a pair of horns
- 307 Fine Rhinoceros head, with double horn
- 308 A Springbuck head and Bontebok horns on
shields
- 309 A Roan skull, and Bushbuck horns on shields
- 310 A pair Lesser Kudu and pair Eland horns on
shields

- 311 A pair Greater Kudu horns
 312 Small quantity of Marabout feathers
 313 Twelve setting boards, various sizes
 314 Three store boxes
 315 Two skulls of Thibetan Antelope
 316 Head of Barasingh (curious horns), and 1 Ibex
 (female)
 317 Head of fine Ovis Ammon
 318 Head of Yak (exceptional specimen)
 319 Horns of Yak on oak shield
 320 Ditto ditto
 321 Heads of Wolf and Burrhel
 322 Two Native carved wooden shields, East Africa
 323 Fine example of Masai spear
 324 A box of shells
 325 Ditto
 326 A large Chinese bronze gong, 23 ins. diam.,
 uncommonly fine
 327 Small quantity fragments rare Aepyornis egg
 328 Twelve Warthog tusks
 329 A bronze mounted Rhinoceros foot, tobacco
 jar and pipe rack
 330 Two Leopard skins
 331 A ditto rug
 332 A polished Rhino hide walking stick
 333 Two mahogany cases for butterflies
 334 An Impala head on oak shield
 335 Ditto
 336 Ditto
 337 Ditto
 338 Skull and horns of Hartebeest, and Grant's
 Gazelle
 339 Skull and horns of Reedbuck and Lechwe
 340 Skull and horns of White-eared Kob and Grant's
 Gazelle
 341 Various skulls
 342 Two Antelope skins, dressed
 343 Three Blackbuck skins, ditto
 344 Two Antelope skins, ditto
 345 Three cases birds
 346 Various bird skins
 347 One hundred Humming bird skins
 348 Fine Otter skin mat
 349 Civet Cat and Serval Cat mats

- 350 Coloured Zoological Chart, Wild Boar
 351 Ditto, Buzzard
 352 Ditto, Cockchafer
 353 Two pairs horns of Roan Antelope
 354 Horns of Topi, Waterbuck and Gazelle
 355 Ditto of Eland
 356 Ditto of Buffalo
 357 Ditto of Greater Kudu
 358 Ditto of Greater Kudu
 359 Ditto of Reindeer
 360 Mounted head of Hartebeest
 361 Ditto of Wildebeest
 362 Ditto of Gerenuk
 363 Ditto of Bushbuck
 364A *Fine pair of Arnee Buffalo horns, on shield*
 365A Ditto

ANTELOPE HORNS, &c.

From Central Africa, mounted on Oak Shields.

- 364 Lion skull
 365 Pallah, 2 pairs
 366 Hartebeeste, 2 pairs
 367 Roan Antelope, and Bushbuck
 368 Two Buskbuck
 369 Bushbuck, and Puku (Mweru Lake)
 370 Reedbuck (Rietbuck), Kob
 371 Kob, shield loose, and Sable Antelope ditto
-
- 372 A pair of Gnu horns, mounted
 373 A pair of Koudou horns, mounted
 374 A double Rhinoceros horn, mounted
 375 Two Sword-fish horns
 376 Alligator skin, 16½ ft. (bottled-nosed)
 377 Cape Bull, horns and skull, 27 ins. across
 378 Fine specimen of Duckbill Platypus, in case
 379 Very fine head of Indian Barasingh Deer, on shield
 380 Ditto, Sing Sing Waterbuck
 381 Head of Kamskatchan Sheep, on shield
 382 Ditto, Fallow Deer
 383 Three pairs Scotch Red Deer, horns on shields
 384 Ditto
 385 Exceptionally fine Rhinoceros horn stick

16968

188971

BIRDS IN CASES, &c.

- 386 Glass case containing fine specimen of a
Greater Bustard, also Lesser Bustard
- 387 Glass case containing fine specimen of Black-
throated Great Northern Diver
- 388 Two pairs of Elk (antlers)
- 389 Golden Eagle (N. America), excellently mounted
with bracket
- 390 Prairie Wolf (N. America), natural pose, un-
mounted
- 391 Skeleton of the extinct bird "Dodo" (Didus
leptus) 18892
- 392 Large case containing a Swan
- 393 Reedbuck, Topi, Dorcas Gazelle and Topi,
4 pairs
- 394 Duiker, 2 pairs, and another small pair, and
Markhor, head and horns, 4 pairs
- 395 Wild Boar, head and tusks, on shield
- 396 Reedbuck, Black Buck, Ibex, skull and horns
Markhor 4 pairs
- 397 Waterbuck and Sable Antelope 2 pairs
- 398 Cape Buffalo
- 399 Topi, Dorcas Gazelle, Waterbuck, and Kob
4 pairs
- 400 Thomson's Gazelle, Sambar, Waterbuck, Ibex,
Dorcas 5 pairs

WEAPONS, CURIOS, &c.

- 401 Five Congo knives, curious shapes
- 402 Goorkha Kukri, 2 hunting knives, iron bracelet,
and an axe
- 403 Two Indian circular boxes, and a pierced ditto,
and a piece of carved wood
- 404 Cane shield, two spears, old gun and flint-lock
pistol
- 405 A pair of Kudu horns
- 406 A pair of Eland horns
- 407 A pair of Waterbuck horns, two pairs of Deer
horns, Elephant grinders, etc.
- 408 Two knob-kerries, 3 African carved wood pipes,
and 2 carved wood sticks

- 409 Seven Zulu stabbing spears and 2 four-pronged spears 1881356
 410 A 4-ft. 6-in. carved Zulu stick, an axe, 2 swords, 3 daggers and various whisks, beadwork, etc. 188175903
 411 An ivory war horn, and a wooden ditto 18914
 412 A leather bandolier, new, Ashanti native powder and ball pouches and belt, a leather belt, powder horn, water bottle, etc. 1891652

BIRDS' EGGS, ETC.

- 413 *Valuable collection of named birds' eggs contained in three cabinets, one mahogany cabinet of 11 partitioned drawers, and two 6-drawer cabinets, also a glazed show-case with drawers*
 414 Mahogany cabinet of 13 drawers, containing collection of British birds' eggs
 415 Two boxes of eggs various, and a box prepared skins of Ducks, Gulls, Guillemots, etc.
 416 Cabinet containing a variety of birds' eggs, some good specimens
 417 Three boxes of ditto
 418 *An important collection of birds' eggs from Estancia Nueva Menlem, Haedo, F.C.O., 24 miles N.E. of Fray-Bentos, Republic del Uruguay (see complete MS. catalogue)*
 419 *An important collection of British and Foreign birds' eggs, including many fine clutches of Cuckow, etc., with catalogue and data, arranged in glass-topped boxes, and contained in a well-made polished oak cabinet of 18 graduated drawers, enclosed by 2 panel doors, 66 ins. high by 30 by 22*
 420 An eight-drawer stained cabinet containing a variety of birds' eggs in clutches, being a portion of the collection in preceding lot
 421 Large quantity of glass-topped boxes
 422 Various eggs, Guillemot, Gull, etc.
 423 Box of Indian bird skins, Kingfishers, etc.
 424 Ditto
 425 Large glazed case containing group of three Bitterns, well-mounted
 426 Small case of birds and specimen of Duck-billed Platypus

- 427 A glass case containing about 40 mounted birds with data

SHELLS, ETC.

- 428 *Thracia pubescens*, *Helix pernatia*, *Unios* and other shells ; *Venus verrucosa*, *Cardium schinatum*, *Tapes virginicus* and other bivalves, in glass topped boxes, mostly named
- 429 Many varieties of *Pectens* contained in 17 glass topped boxes ; *Lucina*, *Pectunculus*, *Mytilus*, *Cardium*, and other shells in glass topped boxes and tubes, named
- 430 Thirty glass topped boxes containing many varieties of *Cypræa*, all named
- 431 A number of pretty species of *Trochidæ* and *Turbinidæ*, contents of drawer
- 432 A nice lot of *Fissurella*, *Haliotis*, *Sepia*, etc., about 40 species, contents of drawer
- 433 *Nerita*, *Neritina*, etc., about 40 species, contents of drawer
- 434 Contents of drawer of nice specimens of *Terebsa*, including *T. robusta*, *strigata* and other good shells
- 435 *Pleurotoma gracilis*, *tornatus*, *mitræformis*, other good species of *Pleurotomidæ* and some *Cancellaria*, over 30 species, contents of drawer
- 436 *Scalaria*, *Eulima*, *Ianthina* and other genera, contents of drawer
- 437 Contents of drawer of *Cerithium*, etc., a large number of pretty specimens
- 438 *Cerithium*, *Typanotonos*, etc., some fine specimens, contents of drawer
- 439 Contents of drawer of various species of *Cypræa*, over 70 specimens
- 440 About 30 species of the smaller *Cypræa* and some *Ovula*, contents of drawer
- 441 Contents of drawer, mostly nice specimens of *Turritella*
- 442 Over 40 specimens of *Strombus*, contents of drawer
- 443 Contents of drawer of *Ranella* and *Triton*, about 35 specimens

- 444 Cassis, Dolium, Ficus, etc., contents of drawer
of pretty specimens
- 445 A nice lot of species of Conus, over 35 species
including some fine specimens, contents of
drawer
- 446 About 20 species of Oliva, etc., a pretty lot,
contents of drawer
- 447 Harpa rosea, crenata, costata and other nice
specimens of Harpa, 12 specimens
- 448 Euplectella aspergillum (Venus' flower basket
sponge), 2 specimens
- 449 Ditto, 3 specimens
- 450 Fusus, Fasciolaria, etc., contents of drawer of
nice specimens
- 451 Veluta vexillum, musica, nivosa and other
species, contents of drawer
- 452 Contents of drawer of Mitra, etc.
- 453 Ditto of Murex, Purpura, etc.
- 454 Columbella, Buccinum, etc., contents of drawer
- 455 Natica, etc., many species, contents of drawer
- 456 Contents of drawer of Bulla and its allies
- 457 Ditto of Auricala, Cassidula, etc.
- 458 An interesting lot of Ariophanta, and other
land shells, contents of drawer
- 459 Pleurodonte, Sagda, etc., a nice lot, contents of
drawer
- 460 Papuina, Obba, Acavus and other land genera,
a large number of pretty specimens, contents
of drawer
- 461 A number of European Helicidæ, etc., contents
of drawer
- 462 Cylindrella, Anostoma, Cochlostyla, etc., con-
tents of drawer
- 463 Contents of two drawers of Echinus and various
species of Mytilus, Asca, etc.
- 464 Pinna, Malleus, etc., some fine specimens, con-
tents of drawer
- 465 Spondylus, Ostrea, and pretty specimens of
Pecten, contents of two drawers
- 466 Cardium, Lucina, and Isocardia, contents of
drawer
- 467 Unionidæ, Tellina, etc., contents of three
drawers

- 468 Donax, Venus, Cytheræa, etc., contents of three drawers
- 469 Nice lot of specimens of Cardium, contents of drawer
- 470 Psammobia, Aspergillum and other genera, contents of three drawers
- 471 Six drawer stained deal cabinet, 18 ins. high, 18 ins. wide, $9\frac{1}{2}$ ins. back to front, and contents consisting of shells of various genera
- 472 Fine specimen of Triton tritonis
- 473 *Large cabinet in six sections, 10ft. 6ins. wide, about 8ft. high with cornice, middle cornice and plinth. The sections form independent cabinets and are fitted with glazed doors, upper sections are 42ins. wide by 59ins. high, and the lower are 42ins. by 30*
- 474 Cypræa Aurantium 3
- 475 About 180 East Indian and other shells, Conus, Cypræa, and other varieties
- 476 A well-made painted wood cabinet of 8 drawers, each fitted with 2 brass flush handles, folding doors with lock and key, containing a collection of mineral specimens and fossils, including examples of the Ores of Iron, Copper, Lead, etc. 123051-60
- 477 A mahogany cabinet containing 11 trays and a collection of over 300 crystals, minerals and polished stones, 3ft. 4ins. high
- 478 A 42in. mahogany cabinet, containing a good collection of Minerals, including Agate, Chalcedony, Quartz, etc., in 16 drawers, enclosed by panelled doors
- 478A A 6 drawer cabinet with a smaller collection
- 479 Minerals, crystals, spar, etc., in box 18915.61
- 480 Apteryx, stuffed specimen, unmounted, 2 pairs of horns on oak shield, and small lizard
- 481 Natural curiosity, a calf with eight legs, preserved in bottle; also. various decorative shells
- 482 A mahogany cabinet of 12 glazed and cork-lined drawers with panel door, containing British and Exotic Lepidoptera, etc.

BUYER

~~Stevens~~ H. H. Stevens

Date 4 June 19

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Lot	Amount			Lot	Amount		
	£	s.	d.		£	s.	d.
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311	2	.	.				
365A	8	.	.				
371		14	.				
382	7	10	.				
383	5	.	.				
391	10	.	.				
405	1	.	.				
406		16	.				
409	2	.	.				
410	3	.	.				
411	1	2	.				
412		14	.				
476	2	2	.				
479		18	.				
489		10	.				
491	1	10	.				
492		18	.				
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50/4							
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49 14 0							

- 483 A small stained deal cabinet of 6 drawers, containing minerals, etc. ; and small mahogany box containing minerals with list
- 484 A 36-in. cabinet of 6 drawers, containing shells, Crustacea, Minerals, etc.
- 485 A 33-in. cabinet of 11 drawers, containing collection of Crustacea, etc., in glass top boxes
- 486 A 48-in. cabinet of 22 drawers in two tiers, containing a collection of named shells
- 487 A 32-in. cabinet of 12 drawers containing shells, ammonites and minerals
- 488 About 15 ornamental shells, 2 elephant's grinders, and a quantity of corals, etc.
- 489 Minerals and polished stones, two ostrich eggs, two stuffed birds, lizard, etc.
- 490 Unusually large specimen of Crystalization, about 20 by 15 ins., and a smaller ditto
- 491 Narwhal tusk, Walrus tusk, and two saw-fish
- 492 Indian carved elephant stick, African stick and 3 others
- 493 Skull of Dolphin, carved Emu egg, two small tusks, 2 small marble idols, and 3 other items

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